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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO		
10/790,182	03/02/2004	Snul Yedgar	P-2507-US2	3956		
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	•	OHEN ZEDEK LLP	O SUL LIVAL	N. PETER G		
	ELLER PLAZA, SUI . NY 10020	TE 1001	ART UNIT	PAPER NUMBER		
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Please find below and/or attached an Office communication concerning this application or proceeding

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	Application No.	Applicant(s)	
Office Action Summany	10/790,182	YEDGAR ET AL	
Office Action Summary	Examiner	Art Unit	
	Peter G. O'Sullivan	1621	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	idress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING Do Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication - If NO period for reply is specified above, the maximum statutory period volume to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment See 37 CFR 1 704(b).	ATE OF THIS COMMUNICATION 36(a) In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from . cause the application to become ABANDONE!	 bely filed the mailing date of this c D (35 U S.C.§ 133)	
Status			
1) Responsive to communication(s) filed on 29 N 2a) This action is FINAL 2b) This 3) Since this application is in condition for allower closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro		e merits is
Disposition of Claims			
4) ☐ Claim(s) 1-21 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed 6) ☐ Claim(s) 1-21 is/are rejected 7) ☐ Claim(s) is/are objected to 8) ☐ Claim(s) are subject to restriction and/o	wn from consideration.		
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the Education of the Education of the Idea of the I	e 37 CFR 1 85(a) ected to See 37 C	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a))	on No ed in this National	Stage
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Attachment(s) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Nolice of Informal P 6) Other:		O-152)

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Claims 1-21 are pending in this application which should be reviewed for errors. In response to the requirement for the election of a single disclosed species, applicants elected phosphatidylethanolamine bound to glycosaminoglycans. All other compounds and methods are held withdrawn from consideration.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 8-14 provides for the use of applicants' compounds, but, since the claim does not set forth any steps involved in the method/process, it is unclear what method/process applicant is intending to encompass. A claim is indefinite where it merely recites a use without any active, positive steps delimiting how this use is actually practiced.

Claims 8-14 are rejected under 35 U.S.C. 101 because the claimed recitation of a use, without setting forth any steps involved in the process, results in an improper definition of a process, i.e., results in a claim which is not a proper process claim under 35 U.S.C. 101. See for example Ex parte Dunki, 153 USPQ 678 (Bd.App. 1967) and Clinical Products, Ltd. v. Brenner, 255 F. Supp. 131, 149 USPQ 475 (D.D.C. 1966).

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

⁽b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States

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Claims 15-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Aoki et al., US 5,470,578, who disclose anticipating chondroitin and hyaluronic acid derivatives in the examples.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combined teaching of Yedgar et al., US 5,064,817, Chaikof et al., US 6,171,614, and Aoki et al., US 5,470,578, in view of Pruzanski et al., US 6,043,231, Sorgente et al., US 6,162,787, and Falk et al., US 6,022,866. Yedgar et al. disclose anti-inflammatory derivatives including distearoyl phosphatidylethanolamines covalently bonded through the amine group to carrier moieties which may include polysaccharides (s. Col. 2, II. 50-58 and Col. 4, II. 43-59). Yedgar et al. disclose their compounds to be PLA2 inhibitors,

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thus having utility in a wide variety of oversecretory disease states such as allergic response, inflammation, atherosclerosis, thrombosis, etc. (Col. 13, top and middle). Although chondroitin and hyaluronic acid are not specifically mentioned by Yedgar et al. as carrier moieties, their listing is clearly not meant to be exhaustive. Chondroitin sulfate and hyaluronic acid are polysaccharides. Chaikof et al. disclose targeting of therapeutic agents using glycophospholipids generically overlapping applicants' (s. Col. 3, bottom). Chaikof et al. disclose the saccharide derivative used in the glycophospholipid may itself be therapeutic and specifically mentions chondroitin sulfate (s. Col. 5, second and third paragraphs). Aoiki et al., disclose antirheumatic compositions generically overlapping applicants' with anticipating examples (s. examples).

The instant invention differs from the teaching of the cited references in that applicants' activity against intestinal diseases is not specifically disclosed and in that other compounds are claimed which are not specifically exemplified. Pruzanski et al. is relied on to teach PLA2 inhibiting compounds to be useful in treating inflammatory bowel diseases and various inflammatory disorders. Sorgente et al. disclose chondroitin sulfate to be useful as an anti-inflammatory. Falk et al. is relied on to teach hyaluronic acid itself to be useful in the atherosclerotic process of restinosis. Especially in view of the teaching of Chaikof et al. that the saccharide derivative itself may be therapeutic, it would have been prima facie obvious at the time the invention was made to start with the teaching of the cited references, to make applicants' compounds and to expect to produce compound and compositions useful as anti-inflammatory agents or

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agents in the treatment of disease states such as atherosclerosis, inflammatory bowel diseases, etc. To make further compounds generically disclosed, but not specifically exemplified would be further prima facie obvious in view of close or anticipating compounds already made.

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., In re Berg, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); In re Goodman, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); In re Longi, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); In re Van Ornum, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); In re Vogel, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and In re Thorington, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 15-21 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over the claims of copending Application No. 09/756,765. Although the conflicting claims are not identical, they are not patentably distinct from each other because applicants' compositions would be obvious over their compounds.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

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No claim is allowed.

Any inquiry concerning this communication should be directed to Peter G. O'Sullivan at telephone number (571)272-0642.

PETER O'SUELIVAN PRIMARY EVALUER CON SO 1901 Please type a plus sign (+) inside this box ->

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/h-	Α	5,470,578	·	Aoki et al.	Nov 28, 1995		
7	В	6,071,532		Chaikof et al.	Jun 6, 2000		
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	E	6,043;231	• •	Pruzanski et al.	Mar 28, 2000		
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100	i	wo	98016198	Chaikof et al.	Apr 23, 1998		
1	J	wo	9628544	Flodgaard, et al.	Sep 19, 1996		
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		NON PATENT LITERATURE DOCUMENTS	
xaminer nitials*	Cite No.1	include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog. etc.), date, page(s). volume-issue number(s), publisher, city and/or country where published.	T2
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No	z	SCHMIEL. DH AND MILLER, VL (1999) "Bacterial phospholipases and pathogenesis" <u>Microbes Infect</u> 1(13):1103-12				
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	Substitu	te for f	om 1449B/PTO	Complete if Known			
				Application Number	91397		
INF	ORMA	TIOI	N DISCLOSURE	Filing Date	August 23, 1989		
ST	ATEME	NT	BY APPLICANT	First Named Inventor			
				Group Art Unit			
4	use as ma	iny sh	eets as necessary)	Examiner Name			
Sheet	2	of	2	Attomey Docket Number	P-57917-IL		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), litle of the article (where appropriate), title of the litem (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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